Calculator – black box testing

- Test Case 1: Add 2 and 3. Expected output: 5.
- Test Case 2: Subtract 5 from 12. Expected output: 7.
- Test Case 3: Multiply 5 and 0. Expected output: 0.
- Test Case 4: Divide 10 by 0. Expected output: Error/Undefined

- Actual result Test Case 1: 4
- Actual result Test Case 2: 5
- Actual result Test Case 3: 0
- Actual result Test Case 4: Error/Undefined

Calculator funkcionise ocekivano,bez gresaka.

Jedinicni test za metodu Calculate

```
import org.junit.Test;
import org.junit.Assert;
import org.junit.Before;
public class CalculatorTest {
private Calculator objCalcUnderTest;
@Before
public void setUp() {
objCalcUnderTest = new Calculator();
}
@Test
public void testAdd() {
int a = 15; int b = 20;
int expectedResult = 35;

long result = objCalcUnderTest.add(a, b);
Assert.assertEquals(expectedResult, result);
}
```

```
@Test
public void testSubtract() {
```

```
int a = 25; int b = 20;
int expectedResult = 5;
long result = objCalcUnderTest.subtract(a, b);
Assert.assertEquals(expectedResult, result);
}
@Test
public void testMultiply() {
int a = 10; int b = 25;
long expectedResult = 250;
long result = objCalcUnderTest.multiply(a, b);
Assert.assertEquals(expectedResult, result);
}
@Test
public void testDivide() {
int a = 56; int b = 10;
double expectedResult = 5.6;
double result = objCalcUnderTest.divide(a, b);
Assert.assertEquals(expectedResult, result,0.00005);
}
@Test(expected = IllegalArgumentException.class)
public void testDivideByZero() {
int a = 15; int b = 0;
objCalcUnderTest.divide(a, b);
}
}
```